

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)
2. (Canceled)
3. (Currently Amended) ~~The device of claim 2, further comprising:~~ A device for reaming a medullary canal of a bone comprising:

a rotatable drive shaft having proximal and distal ends, the proximal end configured and adapted to connect to a drive element to rotate the drive shaft; and
a reamer head coupled to the distal end of the drive shaft, to rotate the reamer head,
said reamer head comprising:

a tubular shank having a longitudinal axis and a plurality of resilient
arms for engaging the distal end of the drive shaft; and
a cutting head coupled with the shank and having a plurality of blades
and flutes therebetween for cutting and reaming of bone;

an aspiration tube for removing cut material generated by the reamer head, the aspiration tube having a manifold assembly at a proximal end and a lumen configured and dimensioned to receive the drive shaft; and
 a reamer head retainer having proximal and distal ends and configured and dimensioned at a proximal end to connect to a distal end of the aspiration tube and configured and dimensioned at a distal end to receive the reamer head,

wherein the drive shaft and reamer head each has a cannulation, with the drive shaft cannulation aligning with the reamer head cannulation when the tubular shank and resilient arms are engaged with the drive shaft to form a center channel through the device.

4. (Original) The device of claim 3, wherein the manifold assembly has at least one port, the at least one port configured and adapted to communicate with an irrigation source, the at least one port is in fluid communication with the center channel.

5. (Original) The device of claim 3, wherein: the manifold assembly includes an irrigation port connectable to an irrigation source and an irrigation chamber in fluid connection with the irrigation port; and the drive shaft has an opening extending from an outer surface of the drive shaft to the drive shaft cannulation and located within the irrigation chamber.

6. (Original) The device of claim 3, wherein the manifold assembly includes an aspiration port connectable to a suction source.

7. (Original) The device of claim 3, wherein the reamer head retainer has a plurality of ports in fluid communication with the lumen of the aspiration tube.

8. (Original) The device of claim 3 wherein the reamer head retainer couples with the reamer head permitting the reamer head to rotate with respect to the retainer.

9. (Original) The device of claim 8, wherein the reamer head retainer has an internal shoulder for engaging the resilient arms of the reamer head.

10. (Original) The device of claim 3, further comprising: a reamer retaining ring coupled to the proximal end of the reamer head retainer and configured and dimensioned to fixedly attach the distal end of the aspiration tube to the proximal end of the reamer head retainer.

11. (Original) The device of claim 3, wherein the reamer head retainer has at least one protrusion located near the proximal end of the reamer head retainer for fixedly attaching the distal end of the aspiration tube to the proximal end of the reamer head retainer.

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (New) A device for reaming a medullary canal of a bone comprising:

a rotatable drive shaft having proximal and distal ends, the proximal end configured

and adapted to connect to a drive element to rotate the drive shaft; and

a reamer head coupled to the distal end of the drive shaft, to rotate the reamer head,

said reamer head comprising:

a tubular shank having a longitudinal axis, the tubular shank

configured and dimensioned for engaging the distal end of the

drive shaft; and

a cutting head coupled with the shank and having a plurality of blades
and flutes therebetween for cutting and reaming of bone;
an aspiration tube for removing cut material generated by the reamer head, the
aspiration tube having a lumen configured and dimensioned to receive the
drive shaft; and
a reamer head retainer having proximal and distal ends and configured and
dimensioned at a proximal end to connect to a distal end of the aspiration tube
and configured and dimensioned at a distal end to receive the reamer head,
wherein the drive shaft and reamer head each has a cannulation.

16. (New) The device of claim 15, wherein the aspiration tube includes a manifold assembly at a proximal end.

17. (New) The device of claim 16, wherein the manifold assembly has at least one port, the at least one port configured and adapted to communicate with an irrigation source.

18. (New) The device of claim 16, wherein: the manifold assembly includes an irrigation port connectable to an irrigation source and an irrigation chamber in fluid connection with the irrigation port; and the drive shaft has an opening extending from an outer surface of the drive shaft to the drive shaft cannulation and located within the irrigation chamber.

19. (New) The device of claim 16, wherein the manifold assembly includes an aspiration port connectable to a suction source.

20. (New) The device of claim 15, wherein the reamer head retainer has a plurality of ports in fluid communication with the lumen of the aspiration tube.

21. (New) The device of claim 15, wherein the reamer head retainer couples with the reamer head permitting the reamer head to rotate with respect to the retainer.

22. (New) The device of claim 15, wherein the reamer head retainer has an internal shoulder for engaging a plurality of resilient arms formed on the reamer head.

23. (New) The device of claim 15, wherein the reamer head retainer has a plurality of resilient arms for engaging an internal shoulder formed on the reamer head.

24. (New) The device of claim 15, further comprising: a reamer retaining ring coupled to the proximal end of the reamer head retainer and configured and dimensioned to fixedly attach the distal end of the aspiration tube to the proximal end of the reamer head retainer.

25. (New) The device of claim 15, wherein the reamer head retainer has at least one protrusion located near the proximal end of the reamer head retainer for fixedly attaching the distal end of the aspiration tube to the proximal end of the reamer head retainer.